



BIOMETRICS

TASK FORCE

Army War College

Strategic Implications of Emerging Technologies

Ms. Lisa Swan
Deputy Director
April 15, 2009

Capabilities

Biometrics are “measurable physical and behavioral characteristics that enable the establishment and verification of an individual’s identity.”

- Capstone CONOPS for DoD Biometrics, November 2006.



Delivering Capabilities to Warfighters

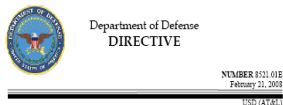
Across the Government



- **Coordination**
- **Collaboration**
- **Data Sharing**

Meeting the Challenge

DoD Directive 8521.01 provides the guidance and organizational



SUBJECT: Department of Defense Biometrics

- References: (a) Section 113 of title 10, United States Code
(b) Section 111 of the Emergency Supplemental Act of 2000, Pub. L. No. 106-346, July 13, 2000
(c) DoD Directive 8500.018, "Information Assurance (IA)," October 24, 2002
(d) DoD Directive 8500.21, "DoD Personnel Identity Protection (PIP) Program," July 19, 2004
(e) through (i) see Executive Order 1

1. PURPOSE

Under the authority vested in the Secretary of Defense by Reference (a) and consistent with Reference (b), this Directive:

- 1.1. Establishes policy, assigns responsibilities, and describes procedures for DoD biometrics.
- 1.2. Designates the Director, Defense Research & Engineering (DDR&E), under the Secretary of Defense for Acquisition, Technology, and Logistics (USD(AT&L)), as the Principal Staff Assistant (PSA) responsible for oversight of DoD biometrics program and policy, to include interagency coordination.
- 1.3. Designates the Secretary of the Army as the DoD Executive Agent (EA) for DoD biometrics. Supersedes the designation of the Secretary of the Army as the EA for the integration of common biometric technologies throughout the Department of Defense under Reference (c).
- 1.4. Reassigns responsibilities and authorities assigned under Reference (d) and DoD Directive (DoDD) 8400.11, (Reference (e)) to support the Personnel Identity Protection and Privacy Program.
- 1.5. Supersedes Deputy Secretary of Defense Memorandum (References (f) and (g)) and conflicting portions of Reference (c). Additionally supersedes all other DoD issuances and other conflicting guidance regarding DoD biometrics.

DDR&E -
PSA for
Biometrics
**Mr.
Shaffer**

Director,
Defense
Biometrics
Mr. Dee

SecArmy Executive Agent for
Biometrics

Mr. Pete Geren

Executive Manager for Biometrics and
Director

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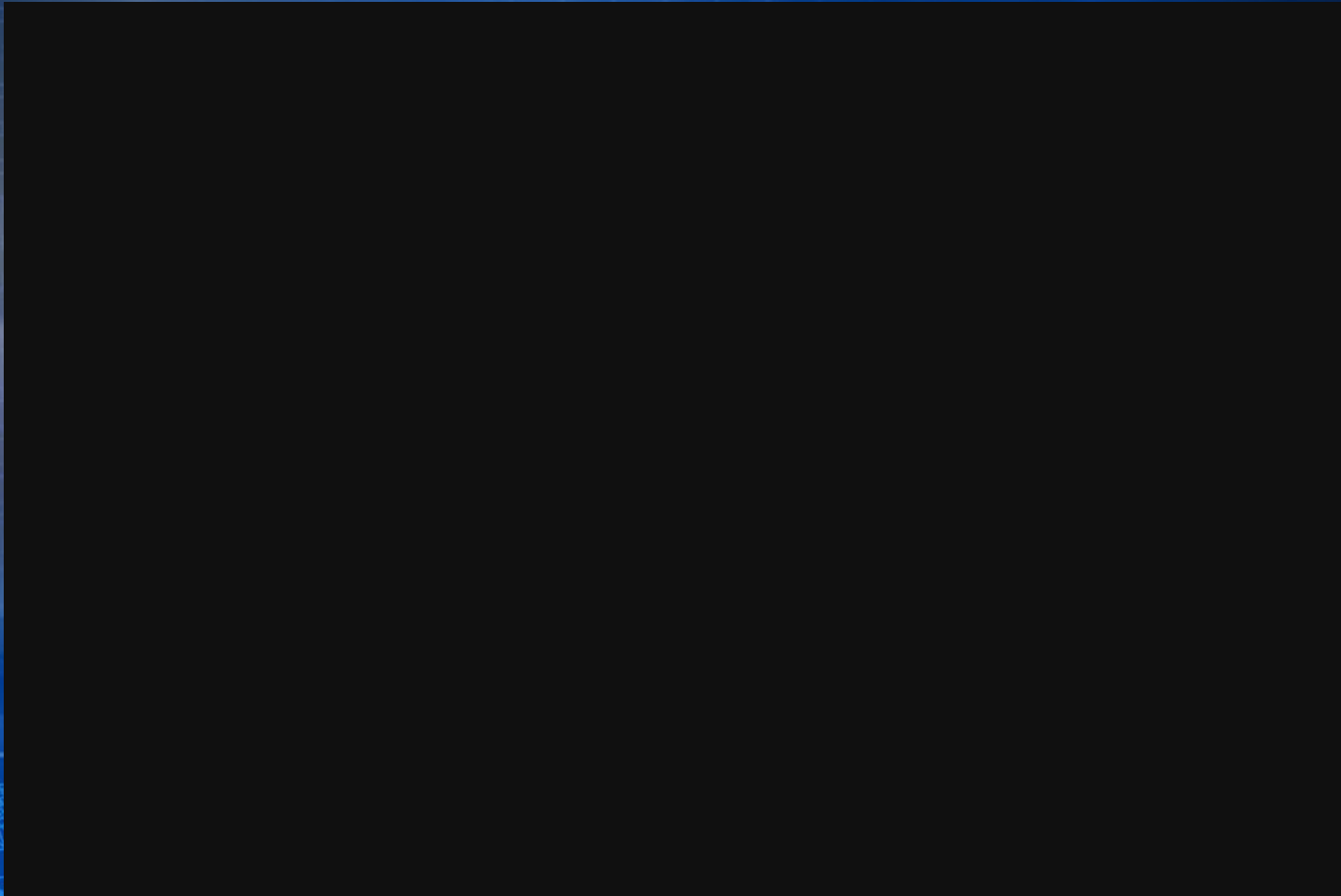
Operations
Support
Division
LTC (P) Smith

DoD Biometrics

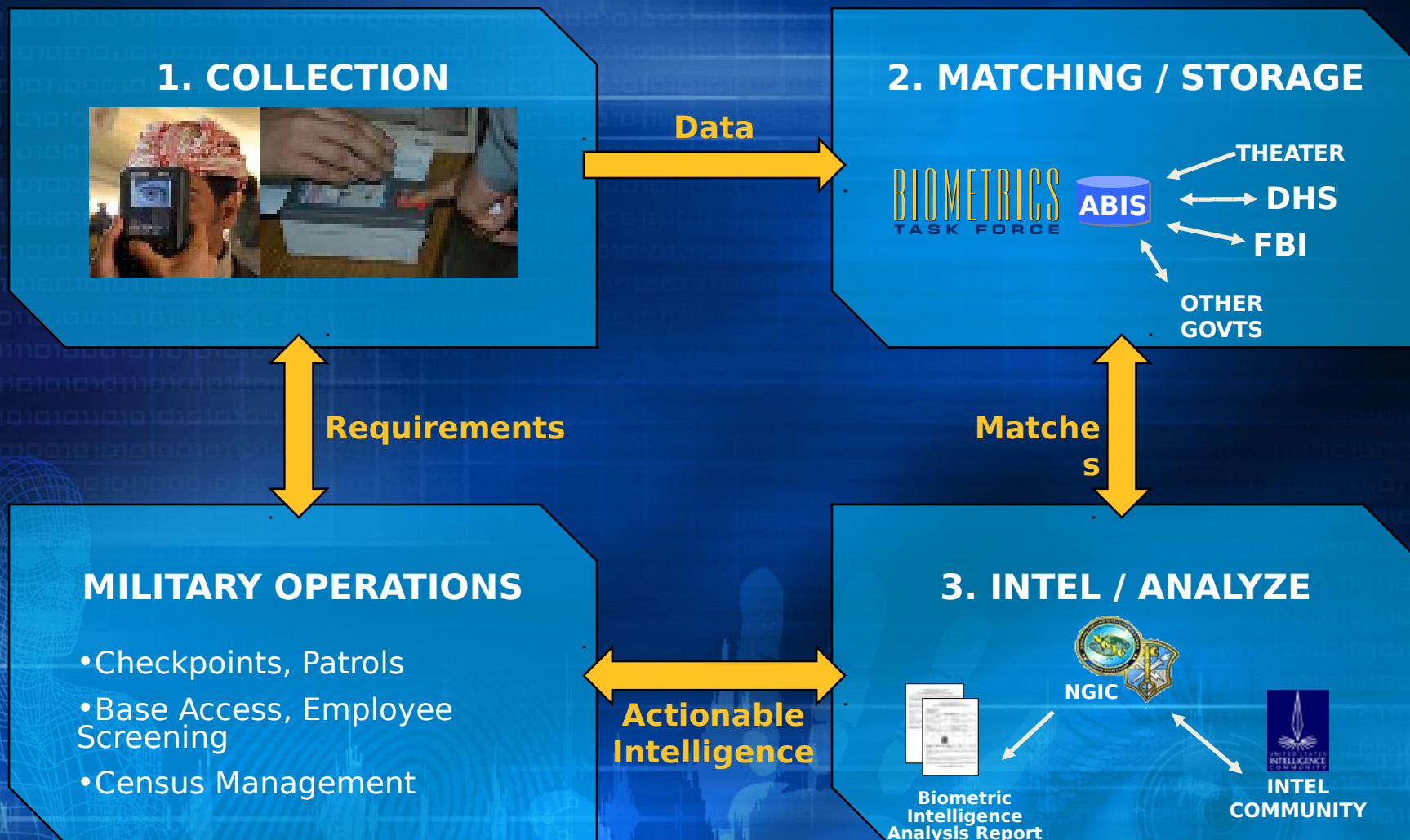




Impacting the Warfighter



Biometrics Process in DoD



Biometrics Mission Sets

Population Census

Targeting / Tracking

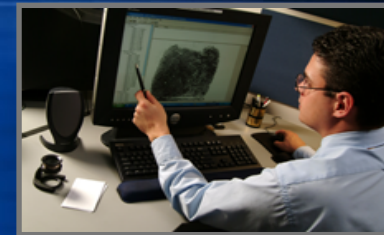
Base & Checkpoint Security

Police, Military, & Govt. Official Vetting

Border Control / Ports of Entry (POEs)

Detainee Operations

Sensitive Site Exploitation



DoD Biometric Efforts

FY 08

FY 09

FY 10

**Optimize
What We
Have**

**Meet Immediate Warfighter
Needs**

**Improve the
Existing
Architecture**

**All Systems are Interoperable &
Compatible**

**Build What
We Need**

Establish Future Enterprise

Support immediate needs while building for the

Biometrics as an Enabler

- **Identify individuals**
- **Assign appropriate classification**

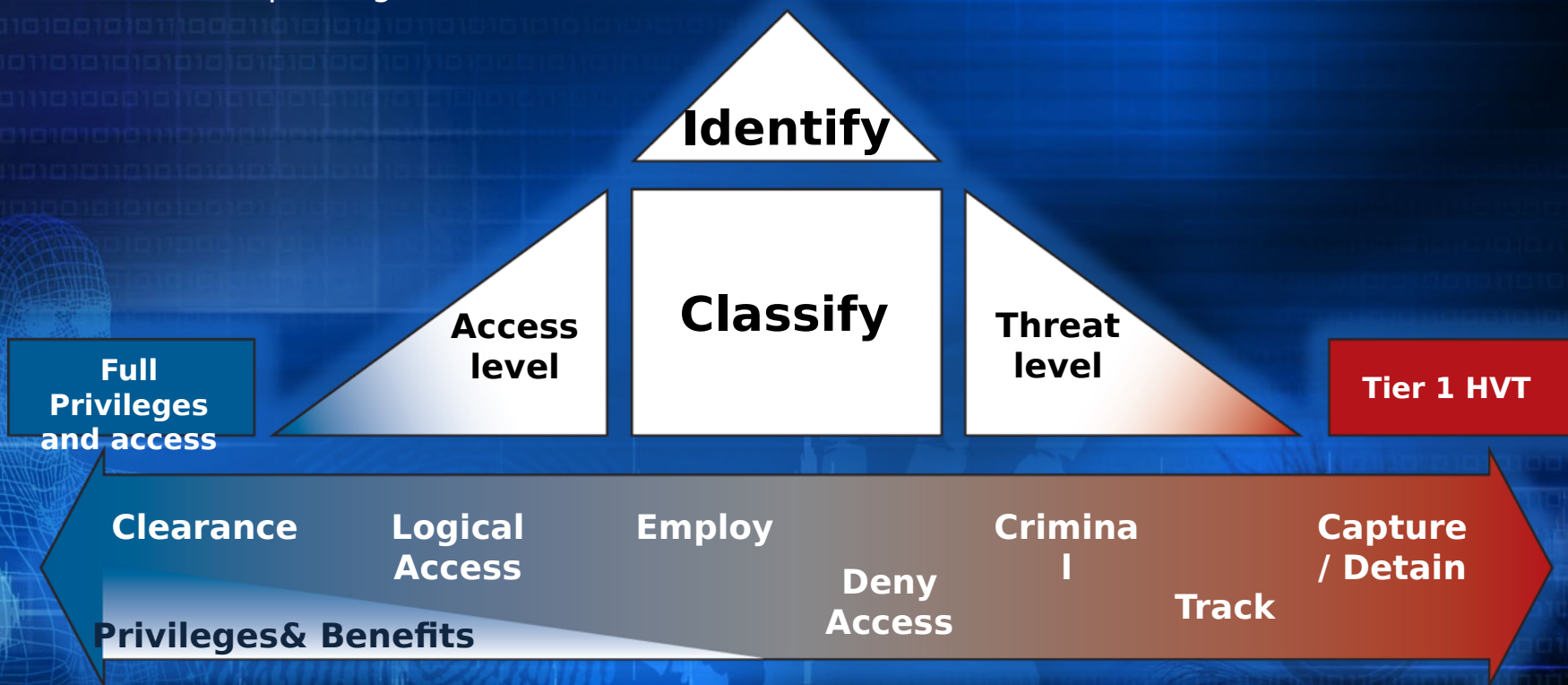
- Level of threat
- Level of access
- Level of privileges

- **Requires**

- Seamless collection, storage and sharing of identity information

- **Does Law, Regulation, Policy allow?**

- Understand the seams

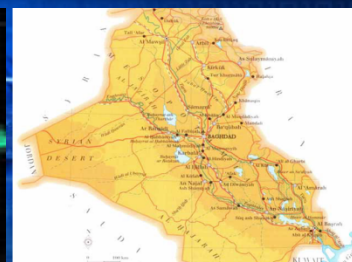
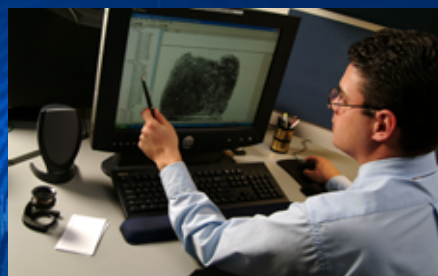


DoD Biometrics Enterprise



Mission: Provide enduring biometrics capabilities to DoD and its mission partners to enable identification of individuals in support of national security interests.

Vision: A flexible, global biometrics enterprise that protects rights and enables services for our personnel, friends, and partners, and denies anonymity to our adversaries.



Making an Impact

Collection

**18 Sep
2005**



**Enrolled In
BAT For
Small Arms
Fire Attack
on CF**

Matching & Storage

28 May 2007

**Latent Match
in WV DoD**



Intel Exploitation



NGIC Analysis

- **High Threat/High Intel Value**
- **Tier 1 Watchlist Status (Detain if Encountered)**

6 Apr 07



**Latent
Print taken
off of
detonated
VBIED**

Actions

- **28 May 07: Placed "On Alert" In BAT**
- **27 Jun 07: Locally Detained during Cordon & Search**
- **29 Jun 07: Detained at Al-Asad Detention Facility**

ABIS - NSWG-1



NAME:

Abass, Nasar Misie

DOB: 19780101

RFP:

Personal Security
Force

IC SUBMISSION



ABIS - NSWG-1



NAME:

Ramadam, Methad
Ibrahim Al Mar

DOB: 19851007

RFP:

Trebil Border Police

IC SUBMISSION



Seven Face IDs

Background

- Elements of the Intelligence Community (IC) have captured videos and still photos of suspects
- 51 of the photos have been submitted to the DoD ABIS
- 7 of the photos matched
- The matched records included the following Reasons for Printing
 - 1 x Justice Employment
 - 1 x Attack on Coalition
 - 1 x Fallujah New Badge
 - 1 x Trebil Border Police
 - 1 x Ramadi ID Badge
 - 1 x Personal Security Force
 - 1 x Not Listed in RFP/ASL

Multi-modal ABIS is a success

Questions?

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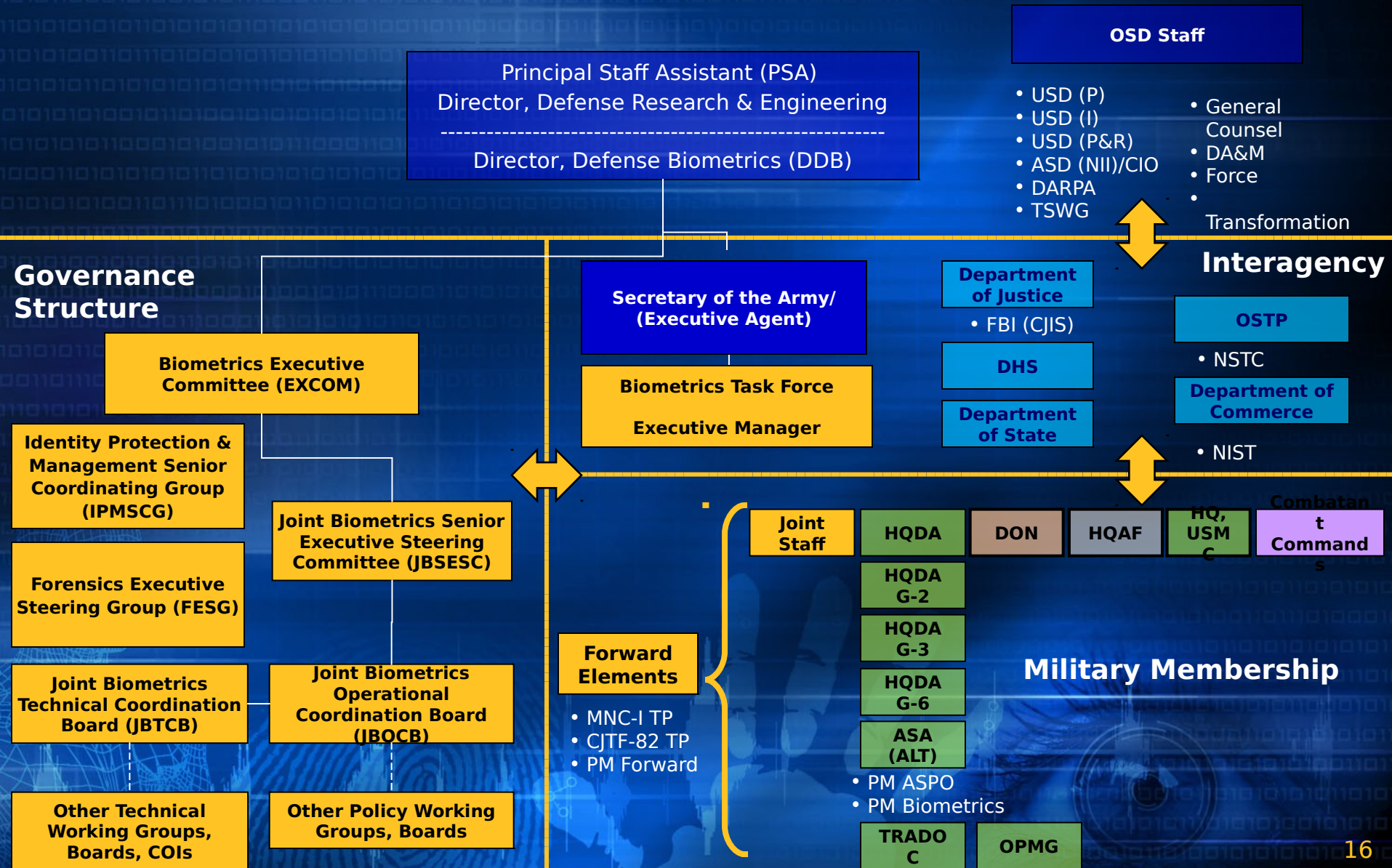
www.biometrics.dod.mil



Back Up Slides



DoD Biometrics: Current Structure



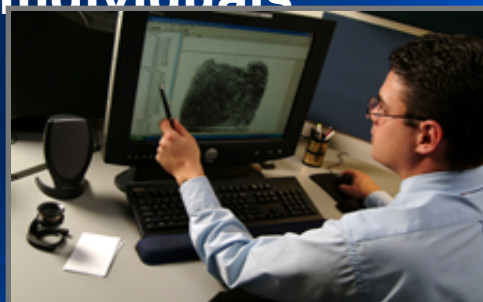
Biometrics Identity in Offense

USE BIOMETRICS FOR:

Identity Dominance



Targeting Individuals



Track Identities



TO ACHIEVE MORE EFFECTIVE: Military Operations



Criminal Prosecutions



Biometrics Identity in Defense

Ensure Identity Protection for U.S. Forces

USE BIOMETRICS FOR: Physical Access Control

- Post/Camp/Station
- Buildings

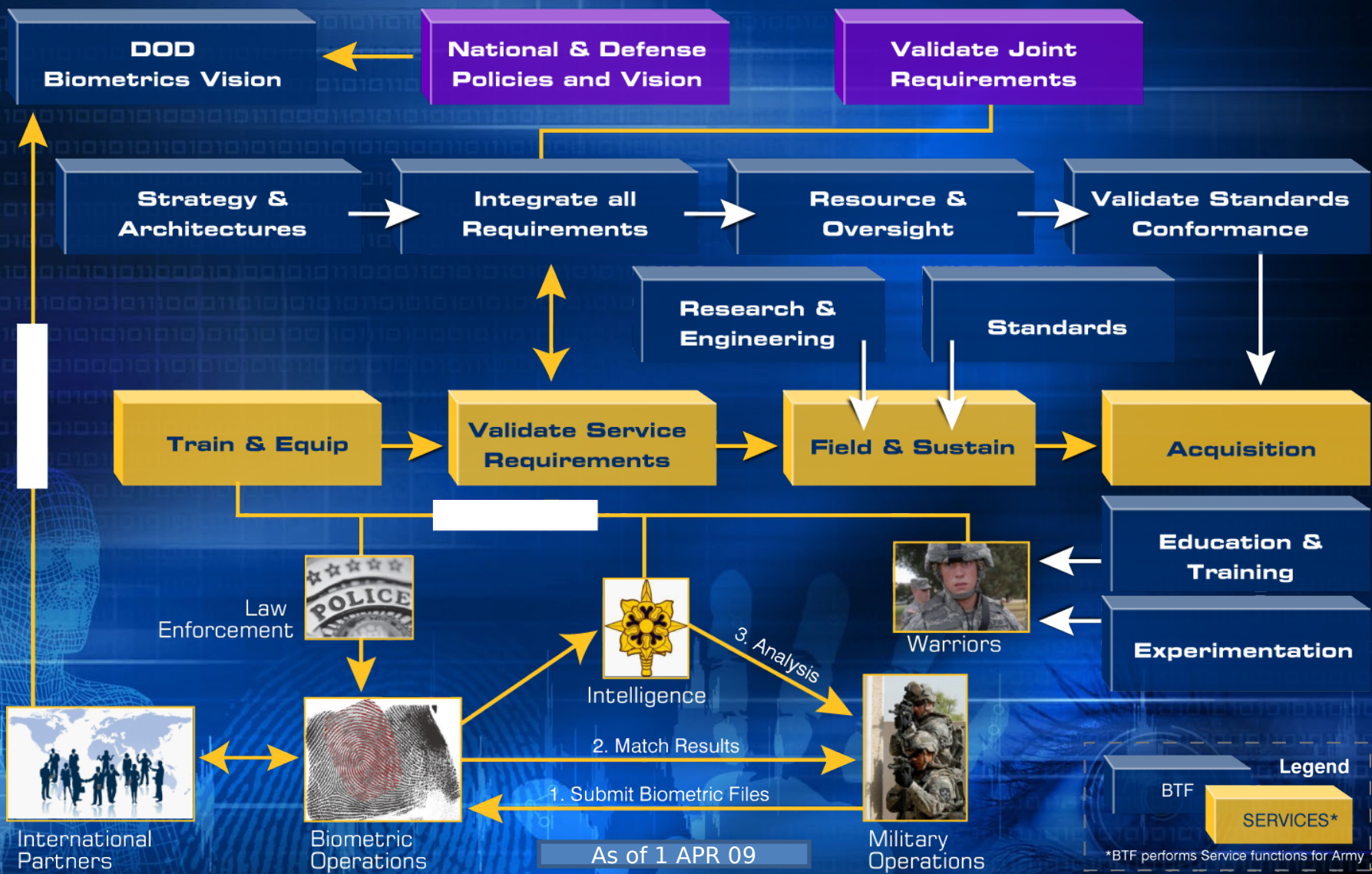


Logical Access Control

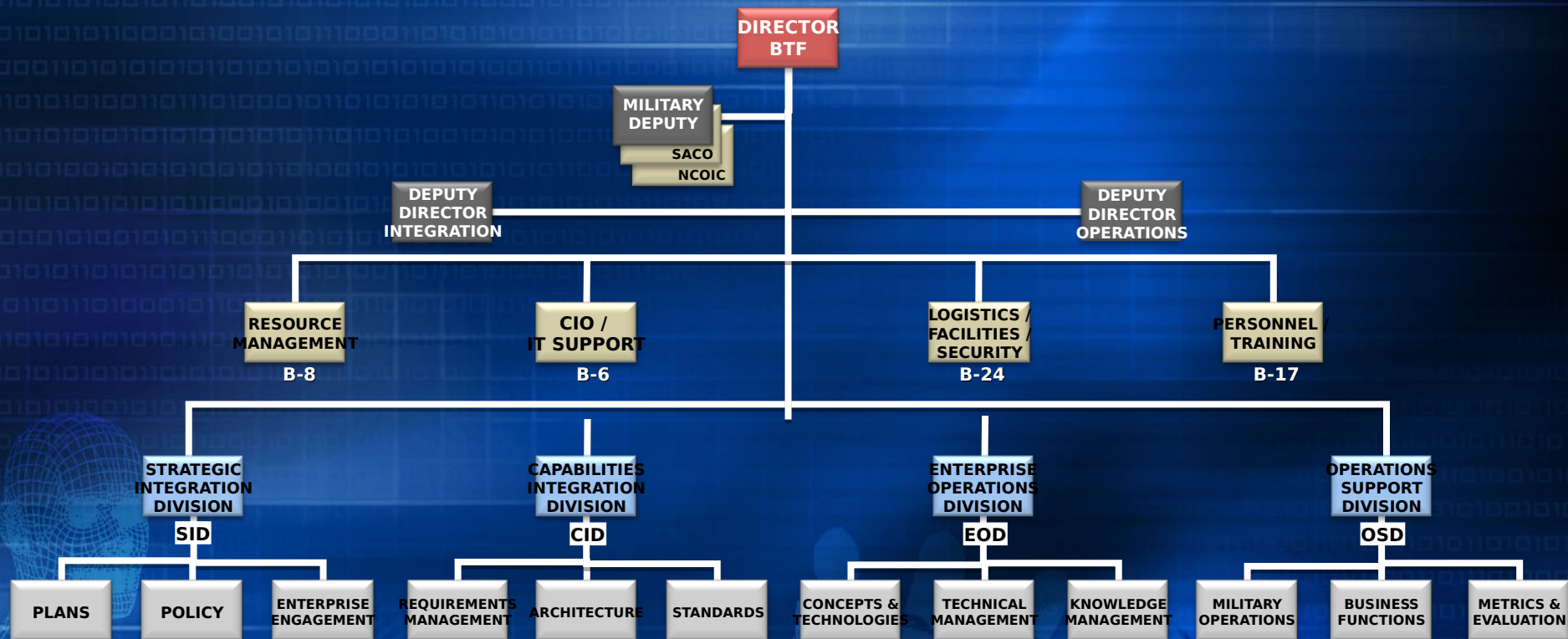
- Computer Login
- S...
- can



Engaging an Enabling Technology



BTF Organization Chart



Current Environment

DEPLOYED SYSTEMS

ABIS - Automated Biometric Identification System

BAT - Biometrics Automated Toolset

BISA - Biometrics Identification System for Access

CROSSMATCH JUMPKITS

DBIDS - Defense Biometrics Identification System

DRS - De

HIIDE - H

NEAR-TERM IMPROVEMENTS

Architecture efficiency and sustainability

Data searches and **rapid matching**

More base access systems in CENTCOM AOR

Support for more **collection devices**

Database flexibility

RESULTS

3.3 million ABIS entries

953,000 ABIS matches

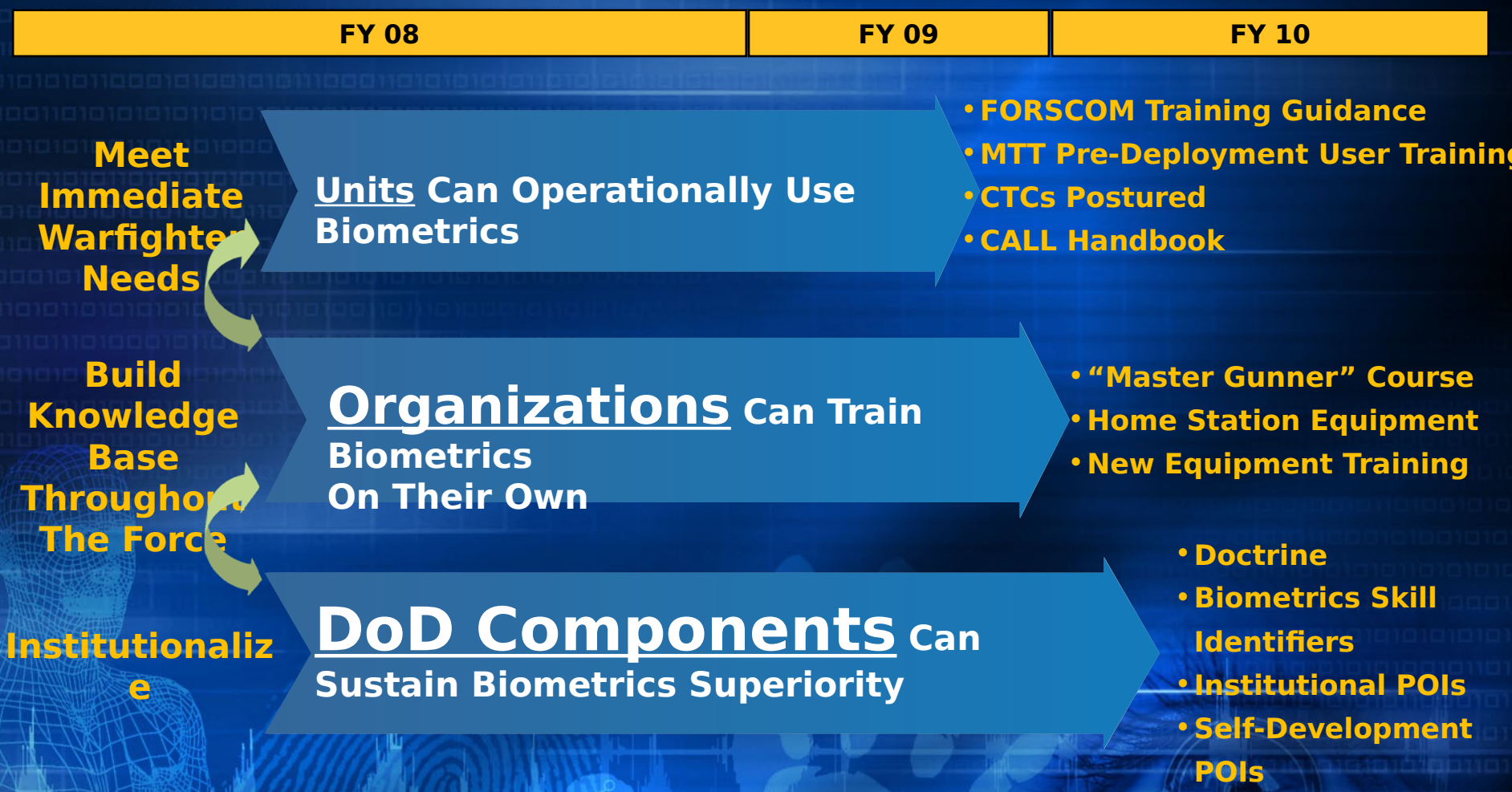
Federal and DoD sharing

FY 09 - 554 Tier 1/Tier 2 HVIs

captured/killed

31,835 Individuals categorized
as *Do Not Hire/Deny*
Access/Deny Training

Biometrics Training Approach



Support immediate needs while building for the future